

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	448	(239/222.11-222.21).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:25
S2	517	(239/203-206).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:25
S3	320	(239/231-233).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:25
S4	361	(239/243-247).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:25
S5	124	(239/252).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:25
S6	1809	(239/451-460).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:26
S7	3364	((239/222.11-222.21).CCLS.) ((239/203-206).CCLS.) ((239/231-233).CCLS.) ((239/243-247).CCLS.) ((239/252).CCLS.) ((239/451-460).CCLS.)	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:26
S8	491	((((239/222.11-222.21).CCLS.) ((239/203-206).CCLS.) ((239/231-233).CCLS.) ((239/243-247).CCLS.) ((239/252).CCLS.) ((239/451-460).CCLS.)) and sprinkl\$3	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:26
S9	2	(((((239/222.11-222.21).CCLS.) ((239/203-206).CCLS.) ((239/231-233).CCLS.) ((239/243-247).CCLS.) ((239/252).CCLS.) ((239/451-460).CCLS.)) and sprinkl\$3) and (throttl\$3 adj adjust\$6)	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:27

S10	15	((((239/222.11-222.21).CCLS.) ((239/203-206).CCLS.) ((239/231-233).CCLS.) ((239/243-247).CCLS.) ((239/252).CCLS.) ((239/451-460).CCLS.)) and sprinkl\$3) and (arc adj adjust\$6)	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:26
S11	6	"5148990".URPN.	USPAT	OR	OFF	2002/06/28 10:40
S12	4	("4579285"   "4815662"   "4850538"   "5058806").PN.	USPAT	OR	OFF	2002/06/28 10:42
S13	491	((((239/222.11-222.21).CCLS.) ((239/203-206).CCLS.) ((239/231-233).CCLS.) ((239/243-247).CCLS.) ((239/252).CCLS.) ((239/451-460).CCLS.)) and sprinkl\$3	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:27
S14	3	((((239/222.11-222.21).CCLS.) ((239/203-206).CCLS.) ((239/231-233).CCLS.) ((239/243-247).CCLS.) ((239/252).CCLS.) ((239/451-460).CCLS.)) and sprinkl\$3 ) and (arcuat\$3 adj orifice)	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:27
S15	1076	(239/200-210).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:29
S16	3391	((239/222.11-222.21).CCLS.) ((239/203-206).CCLS.) ((239/231-233).CCLS.) ((239/243-247).CCLS.) ((239/252).CCLS.) ((239/451-460).CCLS.)	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:29
S17	5597	(239/200-265).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:29
S18	1820	(239/451-460).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:29
S19	7323	((239/200-265).CCLS.) ((239/451-460).CCLS.)	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:29
S20	1015	((((239/200-265).CCLS.) ((239/451-460).CCLS.)) and spring	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:29

S21	198	(((((239/200-265).CCLS.) ((239/451-460).CCLS.)) and (flow near rate)) and (((239/200-265). CCLS.) ((239/451-460).CCLS.)) and spring)	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:29
S22	9	(((((239/200-265).CCLS.) ((239/451-460).CCLS.)) and (arc near adjust\$4)) and ((((239/200-265).CCLS.) ((239/451-460).CCLS.)) and (flow near rate)) and (((239/200-265). CCLS.) ((239/451-460).CCLS.)) and spring))	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:30
S23	57	(((((239/200-265).CCLS.) ((239/451-460).CCLS.)) and (arc near adjust\$4)	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:30
S24	501	(((((239/200-265).CCLS.) ((239/451-460).CCLS.)) and (flow near rate)	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:30
S25	158	(((((239/200-265).CCLS.) ((239/451-460).CCLS.)) and (flow near rate)) and sprinkler	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:30
S26	7323	((239/200-265).CCLS.) ((239/451-460).CCLS.)	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:30
S27	25	(((((239/200-265).CCLS.) ((239/451-460).CCLS.) ) and (arc adj adjust\$6)	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:30
S28	74234	"239"/\$	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:31
S29	2696	"239"/\$ and sprinkler	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:31
S30	295	("239"/\$ and sprinkler) and (pop\$up)	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:31
S31	205	((("239"/\$ and sprinkler) and (pop\$up)) and spring	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:32
S32	6	"5288022".URPN.	USPAT	OR	OFF	2005/05/10 09:32

S33	29	("1510930"   "1821579"   "2128552"   "3006558"   "3131867"   "3268173"   "3526363"   "3645451"   "3854664"   "3874588"   "4121769"   "4221333"   "4261515"   "4331294"   "4353506"   "4440345"   "4471908"   "4660766"   "4682732"   "4687139"   "4815662"   "4834292"   "4842201"   "4848667"   "4867379"   "4886211"   "4932590"   "4986474"   "5058806").PN.	USPAT	OR	OFF	2005/05/10 09:32
S34	16	"5058806".URPN.	USPAT	OR	OFF	2005/05/10 09:33
S35	169	((("239"/\$ and sprinkler) and (pop\$up)) and spring) and nozzle	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:33
S36	18024	sprinkler	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:33
S37	447	sprinkler and (pop\$up)	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:33
S38	249	(sprinkler and (pop\$up)) and spring	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:34
S39	188	((sprinkler and (pop\$up)) and spring) and nozzle	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:34
S40	0	239/511,512,513,514	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:34
S41	323	((((239/451,455,456,457,458,460). CCLS.) ((239/511,512,513,514). CCLS.) ((239/581.1,581.2).CCLS.) ((239/600).CCLS.) ((239/dig.1). CCLS.)) and sprinkl\$3	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:34
S42	327	((((239/451,455,456,457,458,460). CCLS.) ((239/511,512,513,514). CCLS.) ((239/581.1,581.2,582.1). CCLS.) ((239/600).CCLS.) ((239/dig.1).CCLS.)) and sprinkl\$3	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:34
S43	333	((((239/451,455,456,457,458,460). CCLS.) ((239/511,512,513,514). CCLS.) ((239/580,581.1,581.2, 582.1).CCLS.) ((239/600).CCLS.) ((239/dig.1).CCLS.)) and sprinkl\$3	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:35

S44	153	((((239/451,455,456,457,458,460).CCLS.) ((239/511,512,513,514).CCLS.) ((239/580,581.1,581.2,582.1).CCLS.) ((239/600).CCLS.) ((239/dig.1).CCLS.)) and sprinkl\$3) and spring	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:35
S45	98	("3771723" "3940066" "4119275" "RE32386" "4687139" "4753391" "4815662" "4944456" "5423486" "5556036" "5647541" "5718381" "5823440" "5927607" "5518569" "4850425" "3583638" "4796809" "4842201" "4967961" "RE33823" "5288022" "5288023" "6596104" "5227213" "0053407" "3131867" "4091997" "4892252" "4898332" "4932590" "4986474" "5058806" "5148990" "5360167" "5762270" "3884416" "4154404" "4261515" "4850532" "4867379" "4971250" "5031840" "4471908" "4579285" "5226602").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/10 08:47
S46	760	(239/222.11-222.21).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:25
S47	800	(239/203-206).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:25
S48	501	(239/231-233).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:25
S49	620	(239/243-247).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:25
S50	200	(239/252).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:26
S51	3117	(239/451-460).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:26
S52	3497	((239/222.11-222.21).CCLS.) ((239/203-206).CCLS.) ((239/231-233).CCLS.) ((239/243-247).CCLS.) ((239/252).CCLS.) ((239/451-460).CCLS.)	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:26

S53	993	((239/222.11-222.21).CCLS.) ((239/203-206).CCLS.) ((239/231-233).CCLS.) ((239/243-247).CCLS.) ((239/252).CCLS.) ((239/451-460).CCLS.)) and sprinkl\$3	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:26
S54	5	((239/222.11-222.21).CCLS.) ((239/203-206).CCLS.) ((239/231-233).CCLS.) ((239/243-247).CCLS.) ((239/252).CCLS.) ((239/451-460).CCLS.)) and sprinkl\$3) and (throttl\$3 adj adjust\$6)	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:26
S55	27	((239/222.11-222.21).CCLS.) ((239/203-206).CCLS.) ((239/231-233).CCLS.) ((239/243-247).CCLS.) ((239/252).CCLS.) ((239/451-460).CCLS.)) and sprinkl\$3) and (arc adj adjust\$6)	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:26
S56	993	((239/222.11-222.21).CCLS.) ((239/203-206).CCLS.) ((239/231-233).CCLS.) ((239/243-247).CCLS.) ((239/252).CCLS.) ((239/451-460).CCLS.)) and sprinkl\$3	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:27
S57	6	((239/222.11-222.21).CCLS.) ((239/203-206).CCLS.) ((239/231-233).CCLS.) ((239/243-247).CCLS.) ((239/252).CCLS.) ((239/451-460).CCLS.)) and sprinkl\$3 ) and (arcuat\$3 adj orifice)	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:27
S58	1674	(239/200-210).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:29
S59	3497	((239/222.11-222.21).CCLS.) ((239/203-206).CCLS.) ((239/231-233).CCLS.) ((239/243-247).CCLS.) ((239/252).CCLS.) ((239/451-460).CCLS.)	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:29
S60	9100	(239/200-265).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:29



S61	3117	(239/451-460).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:29
S62	7566	((239/200-265).CCLS.) ((239/451-460).CCLS.)	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:29
S63	1094	((((239/200-265).CCLS.) ((239/451-460).CCLS.)) and spring	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:29
S64	211	(((((239/200-265).CCLS.) ((239/451-460).CCLS.)) and (flow near rate)) and (((239/200-265). CCLS.) ((239/451-460).CCLS.)) and spring)	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:29
S65	11	(((((239/200-265).CCLS.) ((239/451-460).CCLS.)) and (arc near adjust\$4)) and ((((239/200-265).CCLS.) ((239/451-460).CCLS.)) and (flow near rate)) and (((239/200-265). CCLS.) ((239/451-460).CCLS.)) and spring))	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:30
S66	74	(((((239/200-265).CCLS.) ((239/451-460).CCLS.)) and (arc near adjust\$4)	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:30
S67	551	((((239/200-265).CCLS.) ((239/451-460).CCLS.)) and (flow near rate)	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:30
S68	177	(((((239/200-265).CCLS.) ((239/451-460).CCLS.)) and (flow near rate)) and sprinkler	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:30
S69	7566	((239/200-265).CCLS.) ((239/451-460).CCLS.)	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:30
S70	36	((((239/200-265).CCLS.) ((239/451-460).CCLS.)) and (arc adj adjust\$6)	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:30
S71	42457	"239"/\$	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:31
S72	2785	"239"/\$ and sprinkler	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:31
S73	324	("239"/\$ and sprinkler) and (pop\$up)	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:31

S74	224	((("239"/\$ and sprinkler) and (pop\$up)) and spring	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:32
S75	13	"5288022".URPN.	USPAT	OR	OFF	2005/05/10 09:32
S76	29	("1510930"   "1821579"   "2128552"   "3006558"   "3131867"   "3268173"   "3526363"   "3645451"   "3854664"   "3874588"   "4121769"   "4221333"   "4261515"   "4331294"   "4353506"   "4440345"   "4471908"   "4660766"   "4682732"   "4687139"   "4815662"   "4834292"   "4842201"   "4848667"   "4867379"   "4886211"   "4932590"   "4986474"   "5058806").PN.	USPAT	OR	OFF	2005/05/10 09:32
S77	29	("1510930"   "1821579"   "2128552"   "3006558"   "3131867"   "3268173"   "3526363"   "3645451"   "3854664"   "3874588"   "4121769"   "4221333"   "4261515"   "4331294"   "4353506"   "4440345"   "4471908"   "4660766"   "4682732"   "4687139"   "4815662"   "4834292"   "4842201"   "4848667"   "4867379"   "4886211"   "4932590"   "4986474"   "5058806").PN.	USPAT	OR	OFF	2005/05/10 09:32
S78	23	"5058806".URPN.	USPAT	OR	OFF	2005/05/10 09:33
S79	185	((("239"/\$ and sprinkler) and (pop\$up)) and spring) and nozzle	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:33
S80	21677	sprinkler	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:33
S81	522	sprinkler and (pop\$up)	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:33
S82	272	(sprinkler and (pop\$up)) and spring	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:34
S83	207	((sprinkler and (pop\$up)) and spring) and nozzle	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:34



S84	555	((239/451,455,456,457,458,460).CCLS.) ((239/511,512,513,514).CCLS.) ((239/581.1,581.2).CCLS.) ((239/600).CCLS.) ((239/dig.1).CCLS.)) and sprinkl\$3	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:34
S85	565	((239/451,455,456,457,458,460).CCLS.) ((239/511,512,513,514).CCLS.) ((239/581.1,581.2,582.1).CCLS.) ((239/600).CCLS.) ((239/dig.1).CCLS.)) and sprinkl\$3	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:34
S86	581	((239/451,455,456,457,458,460).CCLS.) ((239/511,512,513,514).CCLS.) ((239/580,581.1,581.2,582.1).CCLS.) ((239/600).CCLS.) ((239/dig.1).CCLS.)) and sprinkl\$3	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:35
S87	165	((239/451,455,456,457,458,460).CCLS.) ((239/511,512,513,514).CCLS.) ((239/580,581.1,581.2,582.1).CCLS.) ((239/600).CCLS.) ((239/dig.1).CCLS.)) and sprinkl\$3) and spring	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/10 09:35
S88	9	sesser-george.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/10 09:37
S89	13	perkins-lee-a.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/10 09:39
S90	3	("6244521").URPN.	USPAT	OR	OFF	2005/05/10 10:10